

Supports
MTConnect

ONLINE WITH ORION™

DCAM Machine Gateway Interface

TECHNICAL SUPPORT & TRAINING

Nexas is here to help with any question. We also offer direct online collaborative training!

NETWORK DOWN? NO PROBLEM!

With up to 32 GB of local storage (standard is 2GB), ORION ensures your files are always available to your CNCs even during a network crash. Even if the file is not uploaded yet: just drop it on a USB stick, plug it into ORION and hit cycle start!

DNC CHOICES!

ORION comes with DNC built-in! Just upload via FTP, or use a USB stick, or your choice of DNC software - the ORION can handle it all!



The ORION is a new way to deal with the factory floor as it replaces DNC, onboard memory and many traditional machine tool control limitations.

The concept behind it is Dynamic Computer Aided Machining or DCAM.

The ORION is simply a CNC co-processor with TCP/IP connectivity, I/O, machine monitoring, MTConnect & 2 gigabytes of FLASH memory with bar code support.

Other features include:

- ★ 802.11 b/g WiFi connection uses any standard access point — no wires
- ★ Powers from machine controls 24 Volt DC sources with NEX-5990 power unit
- ★ Magnetic mounting for easy placement
- ★ Easy configuration and updating using USB sticks or network connection
- ★ Can use standard USB keyboard, mouse & VGA monitors or Remote Desktop Protocol

- ★ Embedded DNC with mapped drives means no more PC based DNC software or maintenance
- ★ Adds FTP & USB to any CNC
- ★ Direct DNC connection maximizes transfer speeds with no data loss
- ★ An ORION can operate without a network connection, so a network outage does not stop work flow
- ★ Windows CE based, hardened, virus proof box with no moving parts that connect with any Operating System
- ★ Communicates with any FTP software including freeware such as FileZilla
- ★ Configuration via Remote Desktop Software or USB stick
- ★ M02, M30, G50 & M99 codes supported during operation — great for production
- ★ G65, M98 and M198 subprogram support internally...



Scan to Learn More

www.nexasnet.com

NEXAS
NETWORKS

M202000G

ONLINE WITH ORION™



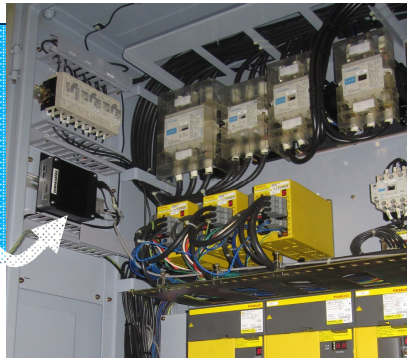
Meet The ORION

The ORION is a next generation product that brings any machine tool control into the 21st century leveraging our Dynamic Computer Aided Machining model. This way, ORION gives you more choices on how to deploy and manage your NC program files.

Like a low cost retrofit, the ORION enables network connectivity, CNC-functionality and higher performance! Operators can pull needed files from your DNC or engineering can push them using Windows mapped drives or with FPT in advance.

Using ORION is easy. A few minutes of training your operator is ready to go! You' will be ready to do things you couldn't do easily before - like run a 100 Meg file in seconds or view the operation from any PC on the network.

ORION's magnetic mounting plate allows it to be placed anywhere...



SERVICES AVAILABLE

- Technical Support
- Installation & Setup
- Maintenance
- Application Support
- Hardware Support
- CNC Memory Upgrades

DNC File Server

- Files stored in the internal memory or the Orion can be called from the CNC control by remote commands and loaded to memory in the CNC or drip fed.
- Files can be called from the Network server where they are stored by the CNC control and loaded into the Internal memory on the Orion using FTP transfer protocols.
- Files stored on a server can be called from the CNC control to be directly loaded into the CNC memory or run in drip mode.
- Files can be loaded into internal memory of the ORION with a USB stick. These auto load to the ORION as soon as the USB stick is inserted.

- Files on a USB stick in the "DNC Push" folder are automatically cued. All the operator has to do is hit read or cycle start and the file in the "DNC Push" folder is read into the CNC control memory or to the tape mode for drip feed.
- Simple remote call and save procedures—bar code support
- Adds FTP & Mapped Drive file transfer to any CNC
- Adds USB backup connection to your CNC

COMMUNICATION

- 10/100 Ethernet port
- 802.11 b/g WiFi connection with external 8dBi magnetic mount antenna
- 2 RS-232 DB9 Serial Port for DNC (up to 115k BAUD)
- 3 x USB 2.0 ports
- VGA port

FILE STORAGE

- 4 Gigabyte Internal SATA Flash Drive (with 2 GB reserved for Part Programs)
- Up to 32 GB Flash Drive optional
- USB Data Stick Compatible + SD Card

INTERFACE OPTIONS

- VGA connection to Monitors and Touch Screens + RDP
- USB Keyboards, Mouse, Bar Code Readers, Data Sticks, PCMCIA Readers...
- RS-232 or USB Hand Held Terminal capable



627 Main Street East, L09
Hamilton, ON, L8M 1J5
Phone: 905-581-3717
Fax: 877-293-7105
sales@nexasnet.com

